

CLIPPEDIMAGE= JP408281968A
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TITLE: DISCHARGE UNIT, INK JET CARTRIDGE USING THE SAME UNIT,
INK JET PRINTER,
METHOD THEREFOR AND PRINTED MATTER

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ABSTRACT:

PURPOSE: To print an image with high quality level and high
reliability by
preventing the insoluble or aggregate colorant in ink in a
printer such as a
discharge port forming surface, a cap or a pump without oozing
between
different colors with excellent water resistance of a printed
image and
effectively preventing the discharge failure at the port of a
discharge unit.

CONSTITUTION: When a sheet 10 is printed by using an ink

discharge head 1 and a
liquid discharge head 2 to improve the printability to discharge
the liquid for
improving the printability to contain substance for dye insoluble
and aggregate,
in ink, separate wiping members 16, 17 or caps 12, 13, suction
pumps 14, 15 are
separately provided in recovering units 11 for the heads for the
ink and
printability improving liquid. Ink receiver and liquid receiver
in the case of
preliminarily discharging are separately provided to prevent the
contact or
mixture of the ink with the printability improving liquid in the
cases of
capping, wiping, suction recovery or preliminarily discharging.

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